Manitoba
Industry, Trade
and Technology

Manitoba Health Industries

Research
Capabilities Inventory

HEALTH RESEARCH CAPABILITIES INVENTORY
- 1986/87 -

Compiled by
Health Industry Development Initiative
Manitoba Industry, Trade and Technology

MANITOBA HEALTH RESEARCH CAPABILITIES INVENTORY

Based on
Manitoba Health Research Council
Reference List of Health Science Research in Manitoba
- April, 1986 -

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SECTION 1

RESEARCH TEAMS

RESEARCH TEAMS

TEAM	TEAM LEADER	TEAM MEMBERS	RESEARCH AREA
Herpes Simplex Virus Encephalitis Team	F.Y. Aoki	Aoki, F.Y. Billingshurst, M.W. Greenberg, I.D.	Diagnostic brain imaging in experimental herpes simplex encephalitis
Ileitis and Colitis Team	S.J. Baker	Baker, S.J. Delespesse, G. Jacob, E.	Immunological Studies in Crahn's Disease
Rh Team	J.M. Bowman	Bishop, A. Bowman, J.M. Kobrinski, N.L.	Antenatal treatment of Rh disease by maternal administration of high dose intravenous gamma-globulin
Colorectal Cancer Team	I. Carr	Carr, I. Pettigrew, N. Rector, E.	Neoplastic invasion in colorectal cancer
Lymph Response to Cancer Team	I. Carr	Carr, I. Gartner, J.G. Pettigrew, N. Rector, E.	Lymph node response to cancer.
Fragile Sites Team	A.E. Chudley	Chudley, A.E. Evans, J.A. Ray, M.	Phenotypic effects and freq.of folic acid-sensitive fragile sites in newborn/mentally retarded
Human Growth Hormon Team	H.G. Friesen	H.G. Friesen et. al.	Therapeutic trial of human growth hormon
Manitoba Insitute of Cell Biology	G.J. Goldenberg	Brandes, L.J. Chow, D.A. Gerrard, J.M. Goldenberg, G.J. Greenberg, A.H. Johnston, J.B. Wright, J.A.	
Hamerton Team	J.L. Hamerton	Hamerton, J.L. McMaster Univer'y: Benzie, R.J. Dallaire, L. Fuller, P.	The clinical and economic evaluation of prenatal diagnosis comparing choronic villi sampling and mid-trimester amniocentesis
Chronic Lyphocytic Leukemia Team Man. Cancer Treatment & Research Found.	L.G. Isreals	Begleiter, A. Isreals, L.G. Johnston, R.B. Mowat, M. Paraskevas, F.	Studies in chronic lyphocytic leukemia

RESEARCH TEAMS

TEAM	TEAM HEAD	TEAM MEMBERS	RESEARCH AREA
Johnston Team	J.B. Johnston	Begleiter, A. Isreals, L.G. Johnston, J.B.	The activity of 2'-deoxy-coformycin in chronic lymphatic leukemia and hairy-cell leukemia
Gliblastoma Multiformae Team	T.Y. Lee	Dunscombe , R.B. Hudson. R.J. Kroeker, M. Lee, T.Y. McClary, B. West, M.	Measurement of regional cerebral blood flow and xenon patition co-efficient in patients with gliblastoma multiformae
Manning Team	F. Manning	Harman, C.R. Lange, I.R. Manning, F.	Experimental ovine fetal neural tube defects
Ong Team	B.Y. Ong	Bose, D. Ong, B.Y. Palahniuk, R.J.	Impairment of cerebro-vascual autoregulation in the neonate
Health Care Services and the Elderly Team	N.P. Roos	Havens, B. Mossey, J.M. Roos, N.P.	A Longitudinal study of of psychological & social factors and health care use among the elderly
Diaphonography Team	H. Schipper	Brown, R.E. Schipper, H. Shalev, S.	Investigation of the physical basis of diaphonography
MRC Allergy Research Team	A. Sehon	Delespesse, G. Froese, A. Kephron, W. Kisil, F. Schwenk, R. Sehon, A.	Allergy Research

SECTION 2

ALPHABETICAL LISTING OF RESEARCHERS

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Adamson, I.Y.R.	Respirology	Pathology	Lung Development	
Agbayema, M.O.	Aging	Psychiatry	Sensory Impairment	
Ali, J.	Cardiology	Surgery	Pulminary Edema	
Anderson, W.A.	Neurology	Analgesic Pathways	Pain Suppression	
Anthonisen, N. R.	Cardiology	Pulmonary Gas Exch.	Antibiotics	
Aoki, F.Y.	Neurology	Encephalitis	Herpes Simplex	Team
Atchison, B.	Aging	Sensory Impairment	Burden of Care	(1)
Baker, S.J.	Ileitis and Colitis	Crahn's Disease	Immunology	Team
Barnes, G.E.	Neurology	Spinal Cord Injury	Depression	
Becker, A,	Pediatrics	Respirology	Asthma	
Begleiter, A.	Oncology	Leukemia-Lyphocytic	Drugs-chemotherapy	(29,30)
Belik, J.	Pediatrics	Respirology	BPD	
Berczi, I.	Arthritis	Immunology	Hormonal Regulation	
Biehl, D.R.	Anesthesiology	Obstetrics		
Bihler, I.	Cardiology	Pharmacology	Cellular Sugar Tran	
Bihler, I.	Diabetes	Fatty Acid Regul'n	Glucose Transport	
Billingshurst, M.W	Radiology	Encephalitis	Brain Imaging	(2)
Binns, B.	Microbiology	Salpingitis		
Bishop, A.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Black, G.B.	Pediatrics	Dysplasia-Hip	Objective Assessmen	
Bonacossa, I.A.	Heamatology	Platelets	Alloimmunization	
Bose, D.	Cardiology	Pharmacology	Digitalis	also 32
Bose, D.	Oncology	Pharmacology	Hyerthermia-maligna	
Bose, D.	Parkinson's Disease	Pharmacology	Glutathione	
Bose, R.	Cardiology	Pharmacology	Hypertension	
Bowden, D.H.	Respirology	Pathology	Lung injury&repair	
Bowden, G.H.W.	Oral Biology	Microbiology		
Bowman, J.M.	Neonatology	Rh Disease	Antenatal Treatment	Team
Bowness, J.M.	Biochemistry	Connective Tissue	Intercell. Matrix	
Bowness, J.M.	Cardiology	Biochemistry	Lipoproteins	
Braekevelt, C.R.	Anatomy	Skelital	Vertebrate retina	
Brandes, L.J.	Oncology	Endocrinology	Hormone Resistance	(4)
Brown, R.E.	Oncology	Diaphanography	Ultrasound	(33)
Bruce, V.	Nutrition	Beta-glucans	Fiber-water soluble	
Brunham, R.C.	Microbiology	Chlamydia trachom.	Salpingitis	
Bruni, J.E.	Neurology	Cerebral Ventricles	Ependyma	
Cameron, A.I.	Cerebral Palsy	Behav. Assessment	Multi-handicapped	
Cantor, S.	Psychiatry	Cholinergic System	Radiochemical Study	
Cardoso, E.R.	Neurology	Hydrocephalis	CSF Shunt Selection	
Carr. I.	Oncology	Colorectal Cancer	Neoplastic Invasion	Team
Carr, I.	Oncology	Lymph Node Response		Team
Carter, S.	Cardiology	Peripheral Arteries	Raynaud's Phenomena	
Casiro, O.G.	Pediatrics	Linguistic Competen	LowBodyWeight Infan	
Chappell, N.I.	Aging	H/C Delivery	Use of H/C Services	
Cheng, G.K.-W.	Endocrinology	Pituitary	Glycoprotein Horm.	
Cheng, G.K-W.	Muscular Dystrophy	Muscles	Choline acetyltrans	
Chernick, V.	Neonatology	Physiology		
Chernick, V.	Neonatology	Drugs-Naloxone	Birth Asphyxia	
Chow, D.A.	Oncology	Immunology	Natural Resistance	(4)
Choy, P.C.	Cardiology	Cardiac Arrhythmias	Phospolipid	
Chudley, A.E.	Neonatology	Genetics	Fragile Sites	Team
Cohen, M.M.	Oncology	Screening	Cervical Cancer	
Cohen, M.M.	Social&Prevent.Med.	H/C Delivery	Anesth.& Surg. Risk	(7)
Dakshinamurti, K.	Biochemistry	Metabolic Control	Biotin	
Dakshinamurti, K.	Cardiology	Hypertension	Animal Model	
Dakshinamurti, K.	Neurology	Biochemistry	Pyridoxine	

		RESEARCH AREAS		
NAME	PRIMARY	SECONDARY	TERTIARY	NOTES
Davie, J.R.	Molecular Biology	Chromatin	Nucleosomal Protein	
Davie, J.R.	Oncology	Chromatic Structure	Aflotoxin B1	
Dawes, C.	Oral Biology	Dental Plaque	Saliva	
Dean, H.L.	Diabetes	Pediatrics	Insulin Receptor	
Degner, L	Oncology	Nursing		
Del Bigio, M.R.	Neurology	Hydrocephalus	Shunt Correction	
Delespesse, G.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Dhalla, N.S.	Cardiology	Physiology	Sarcoplasmic Reticu	
Diamant, R.	Aging	Nutrition	Women	
Dodd, J.G.	Oncology	Recombinate DNA	Human Prostate	
Ducas, J.	Cardiology	Ventricular Funct'n		
Duke, P.	Cardiology	Anaesthesiology	Baroreflex Control	(9)
Duncan, P.G.	Neonatology	Anaesthesiology	H/C Delivery	
Dyck, D.	Immunology	Natural Killer Cell	Drug-Induced	(10)
Eaton, W.O.	Neonatology	Psychology	Fetal Movement	
Enns, L.	Neonatology	Psychology	Home Environment	(11)
Eskin, N.A.M.	Aging	Parkinson's Disease	Nutrition	
Evans, J.A.	Genetics	Mentally Retarded	Fragile Sites	(14)
Evans, J.A.	Neonatology	Genetics	Mortality	
Faiman, C.	Neonatology	Gonadotropin	Opiates	
Faridy, E.E.	Respirology	Physiology	Lung Development	
Farrel, P.	Nursing	Evaluating Nursing	Quality of Nursing	(12)
Fine, A.	Nephrology	Glomerular Filter		
Fish, D.G.	Multiple Sclorosis	Twins	Disease-disordant	
Fleming, N.	Cystic Fibrosis	Mucus Secretion	Oral Biology	
Friesen, H.G.	Endocrinology	Placental Hormones	Brain Hormones	
Friesen, H.G.	Endocrinology	Pituitary Hormones	Clinical Trials	
Friesen, H.G.	Oncology	Growth Factor		
Froese, A.				(13)
Froese, G.	Oncology	Immunology	Tumor-specific AB	
Garro, L.C.	Social&Prevent.Med.	Treatment Decisions	Rural Manitoba	
Gartner, J.G.	Immunology	Transplantation	Graft Rejection	
Gartner, J.G.	Oncology	Lymph Node Response		(6)
Geiger, J.D.	Neurology	Pharmacology	Adenosine	
Gerrard, J.M.	Cardiology	Thromboxane	Prostacyclin	(4)
Gerrard, J.M.	Heamatology	Blood Platlets	Pediatrics	
Gerrard, J.M.	Immunology	Monoclonal Antibody		
Getzlaf, S.	Aging	Psychology	Long-Term Care	
Gfellner, B.M.	Psychology	Adolescent Sexualit	Birth Control	
Glavin, G.B.	Pharmacology	Neurology	Monoamine, Stress	
Goldenberg, G.J.	Cell Biology			Team
Gordon, R.	Neurology	Neurulation		(15)
Graham, G.R.	Nephrology	Dialysis-CAPD	Surfactant	
Greenberg, A.H.	Immunology	Pediatrics	Natural Resistance	(4)
Greenberg, A.H.	Oncology	Genetics	Tumor Heterogeneity	
Greenberg, I.D.	Neurology	Encephalitis	Herpes Simplex	
Greenway, C.V.	Cardiology	Pharmacology	Blood	
Greenway, C.V.	Hepatitis	Drugs		
Guijon, F.B.	Gynecology	Dysplasia-Cervical		
Hamerton, J.L.	Molecular Biology	Recombinant DNA	Somatic Cell Geneti	
Hamerton, J.L.	Neonatology	Amniocentesis	Chorionic Villi	
Hamerton, J.L.	Pediatrics	Genetics	Gene Mapping	
Hamilton, I.R.	Oral Biology	Microbiology	Chromoscan Three	
Hannon, C.K.	Molecular Biology	Recombinant DNA	Virus-Adenovirus	(16)
Harding, G.K.M.	Microbiology	Disease-Hospital Ac	Catheter-Associated	
Havens, B.	Aging	Longitudinal Study	Needs and Resources	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Howland, B.E.	Oral Biology	Endocrinology		
Hunter, T.	Arthritis	Drugs-Antirheumatic		
Ireland, D.J.	Otolaryngology	Optokinetics	Vascular Funct'n	(17)
Isreals, L.G.	Oncology	Leukemia-Lyphocytic		Team,30
Jacob, E.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Jacobs, H.K.	Muscular Dystrophy	Neonatology	Screening	(18)
Jamieson, J.C.	Immunology	Inflammation	Leukocyte Factors	
Jay, F.T.	Immunology	Interferon		
Johnson, R.B.	Oral Biology	Peridontal		
Johnston, J.B.	Oncology	Drug-2'deoxycoforyc	Leukemia	(Team)
Johnston, R.B.	Oncology	Leukemia-Lyphocytic		(29)
Jordan, L.M.	Neurology	Physiology	Spinal Cord	
Jordon, L.M.	Neurology	Prosthesis-Neural	Locomot'n Changes	
Kanfer, J.	Pediatrics	Biochemistry	Phospholypase D	
Kanfer, J.N.	Biochemistry	Membrane	Phospholipids	
Karim, A.C.	Anatomy	Drug-adriamycin	Pulp Mesenchymal ce	
Kaufert, J.M.	Aging	Longitudinal Study	Poliomyelitis	
Kaufert, P.	Social&Prevent.Med.	Longitudinal Study	Women in Middle Yrs	
Kephron, W.				(13)
Khatter, J.C.	Cardiology	Drug-digitalis		
Kim, R.-S. S.	Cardiology	Pharmacology	Fatty Acid Oxidat'n	
Kim, R.-S. S.	Pharmacology	Cardiology	Ionophores	
Kisil, F.				(13)
Klass, D.J.	Respirology	Physiology	Lung	
Knazan, Y.	Aging	Dentistry	Dentures	
Kobrinski, N.L.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Kobrinski, N.L.	Oncology	Chemotherapy	Control of Nausea	
Kobrinski, N.L.	Oncology	Pediatrics	Drugs-Naloxone	
Kredenster, J.V.	Obstetrics	Fertility	Inflamm.Bowel Dise.	
Krepart, G.V.	Social&Prevent.Med.	Oncology	Cervical Screening	
Kristjanson, L	Nursing	ALS	Palliative Care	
Kroeger, E.A.	Respirology	Smooth Muscules	Physiology	also 31
Kryger, M.H.	Polysomnography	Respirology	Sleep	
Labella, F.S.	Cardiology	Pharmacology	Digitalis Receptor	
Labella, F.S.	Pharmacology	Neurology	Neuropeptides	
Lam, H-Y.P.	Oncology	Pharmacology	Drug Resist.-Multi	
Lange, I.R.				(21)
Lautt, W.W.	Pharmacology	Hepatitis	Neurology	
Lavelle, C.L.B.	Dentistry	Neurulation		
Law, B.	Neonatology	Immunology	Eloli Infection	
Law, B.	Pediatrics	Microbiology	Antibiotic-gram neg	
Lecomte, J.	Neurology	Encephalitis	Brain Imaging	(26)
Lee, T.Y.	Neurology	Cerebral Blood Flow	Gliblastoma Multifo	Team
Levitt, M.	Oncology	Quality of Life	Index	(20)
Lewis, M.	Pediatrics	Heamatology	Blood Groups	
Light, R.B.	Microbiology	Pneumonia	Pathophysiology	
Louie, T.J.	Microbiology	Intestinal Bacteria	Vitamin K2	
Loveridge, B.M.	Neurology	Spinal Cord Injury	Breath.Patt'n Analy	
Low, D.E.	Microbiology	Antibiotic Resistan	Staph-Coagulase Neg	
Lyttle, D.	Social&Prevent.Med.	H/C Delivery	Surgery-Knee Replac	
Man, R.Y.K.	Cardiology	Pharmacology	Drug-Antiarrhythmic	
Man, R.Y.K.	Pharmacology	Cardiology	Drug-Lidocaine	
Manfreda, J.	Social&Prevent.Med.	Occupational Health	Bronchitis	
Manning, F.	Neonatology	Neurology	Neural-tube defects	Team
Martin, H.L.	Psychology	Mental Retardation	Vocational Ability	
Matusik, R.J.	Endocrinology	Oncology	Molecular Biology	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Matusik, R.J.	Oncology	Prostatic Tumor	Recombinant DNA	
McAlpine, P.J.	Molecular Biology	Genetics	Gene Mapping-Man	
McCarthy, J.A.	Dentistry	Elderly	Dentures	
McClary, B.				(31)
McCoshen, J.A.	Obstetrics	Gestation	Prolactin	
McCrea, D.A.	Neurology	Spasticity	Interneuronal Path	
McIntyre, J.S.	Aging	Psychology	Memory Blocks	
McKenzie, J.K.	Nephrology	Pharmacology	Inactive Renin	
McLachlan, K.R.	Dentistry	Orthodontic Therapy		
Mink, S.N.	Cardiology	Respirology	Emphysema-Pulmonary	
Moffatt, M.E.	Neonatology	Otitis Media	Feeding Position	
Moffatt, M.E.	Neonatology	Iron	Infant Development	
Montgomery, P.	Aging	H/C Delivery	Emergency Admission	
Mossey, J.M.	Aging	Longitudinal Study	H/C Delivery	(22)
Mowat, M.	Oncology	Leukemia-Lyphocytic		(29)
Mutch, W.A.C.	Neurology	Cerebral Blood Flow	Depression-Spreadin	
Nagy, J.I.	Neurology	Physiology	Afferent systems	
Nathaniel, E.J.H.	Neurology	Hyphothyroid	Drug-thyroxine	
Norton. R.	Neurology	Pain		
O'Neil, J.D.	Social&Prevent.Med.	Interpreters	Inuit	
O'Neil, J.D.	Social&Prevent.Med.	Obstetrics Evacuat.	Inuit	
Oen, K.G.	Arthritis	Juvenile Rhematoid	Immunology	
Ong, B.Y.	Cardiology	Neonatology	Cerebrovascular Reg	
Ong, B.Y.	Neonatology	Anesthesiology	Cerebrovascular Reg	Team
Oppenheimer, L.	Cardiology	Edema-Pulmonary	Hysteresis	
Palahniuk, R.J.				(32)
Panagia, V.	Cardiology	Oral Biology	Hypertrophy	
Paraskevas, F.	Immunology	Monoclonal Antibody	Anti-suppression	
Paraskevas, F.	Immunology	Antigen Recognition	Immunocompetentcell	
Paraskevas, F.	Oncology	Leukemia-Lyphocytic		(29)
Pelech, A.N.	Pediatrics	Cardiology	Myocardial Perfusio	
Persaud, T.V.N.	Pediatrics	Developmental Defec	Anatomy	
Pettigrew, N.	Oncology			(5,6)
Pinsky, C.	Neurology	Pharmacology		
Pinsky, C.	Parkinson's Disease	Pharmacology	Nutrition	
Plummer, F.A.	Gonorrhoeae	VD	Penicillin-resist.	
Polimeni, P.I.	Cardiology	Diabetes	Electrolytes	
Postl, B.D.	Microbiology	Streptococcal Gp A	Native Communities	
Powell, C.	Aging	Living Arrangements	Primary Care	(23)
Powell, C.	Alzheimer's Disease	Nutrition	Cognative Dysfunc'n	(24)
Prewitt, R.M.	Cardiology	Ventricular Mech.	Systolic Interdepen	
Ray, M.	Genetics-Human	Fragile Sites		(14)
Ray, M.	Neonatology	Genetics-Cytogeneti	Heavy Metals	
Rector, E.	Oncology			(5,6)
Reid, R.E.	Pharmacology	Calcium Bind. Units		
Rigatto, H.	Neonatology	Respirology	Polysomnography	
Rollo, I.M.	Oncology	Tissue Culture	ClonogenicTumorCell	
Ronald, A.R.	Microbiology	Heamophilius ducrey		
Roos, L.	Social&Prevent.Med.	H/C Delivery	Surgical Evaluation	
Roos, N.P.	Oncology	Cervical Screening	Social&Prevent.Med.	Team
Rosenberg, A.	Arthritis	Immunology	Auto-immunity	
Rush, D.N.	Nephrology	Immunology	Transplants	
Sabbadini, E.R.	Immunology	T Cells - cytotoxic		
Schacter, B.A.	Biochemistry	Heme Oxygenase	Microsomal	
Schacter, B.A.	Oncology	Lymphosarcoma	Liver Function	
Schipper, H.	Oncology	H/C Delivery	Community-M.D. Sys.	25,Team

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Schwenk, R.				(13)
Segall, A.	Aging	H/C Beliefs & Pract	Medical&Social Serv	
Sehon, A.	Immunology	Allergy Research		Team
Seshia, S.S.	Pediatrics	Neurology	Coma-Nontraumatic	
Shalev, S.	Oncology	Diaphanography	Radiology	(19,33)
Shalev, S.	Oncology	Radiotherapy	Risk Analysis	
Sharma, G.P.	Cardiology	Myocardial Preserv.	Evaluation	
Shefchyk, S.J.	Neurology	CNS Mechanisms	Micturition	
Shiu, R.P.C.	Oncology	Endocrinology	Breast Cancer	
Shwedyk, E.	Biomedical Engineer	Myoelectric proces.		
Shwedyk, E.	Neurology	EEG	Pattern Recog.Syste	
Shwedyk, E.	Pediatrics	Neurology	EEG-Computer D/Base	
Sigurdson, E.S.	Social&Prevent.Med.	Sexual Abuse	Rural	(27)
Sima, A.A.F.	Alzheimer's Disease			
Sima, A.A.F.	Diabetes	Neuropathies	Retinopathy	
Simons, F.E.R.	Asthma	Pediatrics		
Singal, P.K.	Cardiology	Ardiamycin	Cardiac Hypertrophy	
Sitar, D.	Cardiology	Cardiovascular Drug	Hepatic Hemodynamic	
Sitar, D.	Hepatitis	Drugs		
Smyth, D.D.	Cardiology	Pharmacology	Hypertension	
Stephens, N.L.	Cardiology	Pulmonary Artery	Hypertention	
Stevens, F.C.	Biochemistry	Proteins	Structure-Function	
Strain, L.A.	Aging	H/C Delivery	Use of H/C Services	
Tefft, B.M.	Psychology	Mentally Ill	Public Beleifs	
Tefft, B.M.	Psychology	Marriage	Unemployment	(28)
Templeton, J.F.	Cardiology	Pharmacology	Ouabain Receptors	
Templeton, J.F.	Endocrinology	Pharmacology	Steriods	
Tenenbein, M.	Pediatrics	Gastro-intenstinal	Bowel Irrigation	
Thliveris, J.A.	Diabetes	Endocrinology	Pituitary-Gonad	
Thomson, I.R.	Cardiology	Anaesthesiology	Fentanyl Anaesthesi	
Tomlinson, G.	Biochemistry	Neurology	Synaptic Proteins	
Turner, G.A.	Nephrology	Hemodialysis	Parenteral Nutrit'n	
Vincent, R.	Cardiology	Pediatrics	Myocardial Perfusio	
Vriend, J.	Endocrinology	Melatonin		
Walker, J.L.	Psychology	Stress	Farmers	
Wang, H-S.	Neonatology	Genetics	Mortality	
Warrington, R.J.	Arthritis	Immunology		
Warrington, R.J.	Immunology	Hypersensitivity	Migrat'n Inhib.Test	
Warrington, R.J.	Immunology	SLE	Arthritis	
Welch, J.S.	Psychiatry	H/C Delivery&Educat	Interns-Night Call	
West, M.				(31)
Wilkins, J.	Arthritis	Immunology		
Wilkins, J.A.	Oncology	Immunology	Monokines-Cytotoxic	
Wilkins, J.A.	Oncology	Leukemia-Human T	Virology	
Winter, J.S.D.	Endocrinology	Pediatrics	Adrenal hormones	
Wright, J.A.	Biochemistry	Muscles-Myogenesis	Muscle cell disease	(4)
Wright, J.A.	Immunology	Monoclonal Antibody		
Wrogemann, K.	Cardiology	Metabolic Defects	Genetic Cardiac Dis	
Wrogemann, K.	Muscular Dystrophy	Muscles	Metabolism	
Yamada, E.V.W.	Biochemistry	Muscles-Myogenesis	Calcium-bind.protei	
Yamada, E.V.W.	Cardiology	Biochemistry	Calcium Paradoxes	
Yatscoff, R.W.	Cardiology	Diabetes	Platelet Function	
Yen, E.H.L.	Dentistry	Craniofacial remod.	Collagen Synthesis	
Younges, M.K.	Respirology	Breathing Patterns	Beathing Control	
Zebrowski, E.J.	Oral Biology	Diabetes	Gingival Collagen	

SECTION 3

ALPHABETICAL LISTING OF PRIMARY RESEARCH AREAS

		RESEARCH AREAS		
NAME	PRIMARY	SECONDARY	TERTIARY	NOTES
Knazan, Y.	Aging	Dentistry	Dentures	
Segall, A.	Aging	H/C Beliefs & Pract	Medical&Social Serv	
Montgomery, P.	Aging	H/C Delivery	Emergency Admission	
Chappell, N.I.	Aging	H/C Delivery	Use of H/C Services	
Strain, L.A.	Aging	H/C Delivery	Use of H/C Services	
Powell, C.	Aging	Living Arrangements	Primary Care	(23)
Mossey, J.M.	Aging	Longitudinal Study	H/C Delivery	(22)
Havens, B.	Aging	Longitudinal Study	Needs and Resources	
Kaufert, J.M.	Aging	Longitudinal Study	Poliomyelitis	
Diamant, R.	Aging	Nutrition	Women	
Eskin, N.A.M.	Aging	Parkinson's Disease	Nutrition	
Agbayema, M.O.	Aging	Psychiatry	Sensory Impairment	
Getzlaf, S.	Aging	Psychology	Long-Term Care	
McIntyre, J.S.	Aging	Psychology	Memory Blocks	
Atchison, B.	Aging	Sensory Impairment	Burden of Care	(1)
Powell, C.	Alzheimer's Disease	Nutrition	Cognative Dysfunc'n	(24)
Sima, A.A.F.	Alzheimer's Disease			
Karim, A.C.	Anatomy	Drug-adriamycin	Pulp Mesenchymal ce	
Braekevelt, C.R.	Anatomy	Skelital	Vertebrate retina	
Biehl, D.R.	Anesthesiology	Obstetrics		
Hunter, T.	Arthritis	Drugs-Antirheumatic		
Rosenberg, A.	Arthritis	Immunology	Auto-immunity	
Berczi, I.	Arthritis	Immunology	Hormonal Regulation	
Warrington, R.J.	Arthritis	Immunology		
Wilkins, J.	Arthritis	Immunology		
Oen, K.G.	Arthritis	Juvenile Rhematoid	Immunology	
Simons, F.E.R.	Asthma	Pediatrics		
Bowness, J.M.	Biochemistry	Connective Tissue	Intercell. Matrix	
Kanfer, J.N.	Biochemistry	Membrane	Phospholipids	
Dakshinamurti, K.	Biochemistry	Metabolic Control	Biotin	
Yamada, E.V.W.	Biochemistry	Muscles-Myogenesis	Calcium-bind.protei	
Wright, J.A.	Biochemistry	Muscles-Myogenesis	Muscle cell disease	(4)
Tomlinson, G.	Biochemistry	Neurology	Synaptic Proteins	
Stevens, F.C.	Biochemistry	Proteins	Structure-Function	
Schacter, B.A.	Biochemistry	Heme Oxygenase	Microsomal	
Shwedyk, E.	Biomedical Engineer	Myoelectric proces.		
Duke, P.	Cardiology	Anaesthesiology	Baroreflex Control	(9)
Thomson, I.R.	Cardiology	Anaesthesiology	Fentanyl Anaesthesi	
Singal, P.K.	Cardiology	Ardiamycin	Cardiac Hypertrophy	
Yamada, E.V.W.	Cardiology	Biochemistry	Calcium Paradoxes	
Bowness, J.M.	Cardiology	Biochemistry	Lipoproteins	
Choy, P.C.	Cardiology	Cardiac Arrhythmias	Phospolipid	
Sitar, D.	Cardiology	Cardiovascular Drug	Hepatic Hemodynamic	
Polimeni, P.I.	Cardiology	Diabetes	Electrolytes	
Yatscoff, R.W.	Cardiology	Diabetes	Platelet Function	
Khatter, J.C.	Cardiology	Drug-digitalis		
Oppenheimer, L.	Cardiology	Edema-Pulmonary	Hysteresis	
Dakshinamurti, K.	Cardiology	Hypertension	Animal Model	
Wrogemann, K.	Cardiology	Metabolic Defects	Genetic Cardiac Dis	
Sharma, G.P.	Cardiology	Myocardial Preserv.	Evaluation	
Ong, B.Y.	Cardiology	Neonatology	Cerebrovascular Reg	
Panagia, V.	Cardiology	Oral Biology	Hypertrophy	
Vincent, R.	Cardiology	Pediatrics	Myocardial Perfusio	
Carter, S.	Cardiology	Peripheral Arteries	Raynaud's Phenomena	
Greenway, C.V.	Cardiology	Pharmacology	Blood	
Bihler, I.	Cardiology	Pharmacology	Cellular Sugar Tran	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Bose, D.	Cardiology	Pharmacology	Digitalis	also 32
Labella, F.S.	Cardiology	Pharmacology	Digitalis Receptor	
Man, R.Y.K.	Cardiology	Pharmacology	Drug-Antiarrhythmic	
Kim, R.-S. S.	Cardiology	Pharmacology	Fatty Acid Oxidat'n	
Bose, R.	Cardiology	Pharmacology	Hypertension	
Smyth, D.D.	Cardiology	Pharmacology	Hypertension	
Templeton, J.F.	Cardiology	Pharmacology	Ouabain Receptors	
Dhalla, N.S.	Cardiology	Physiology	Sarcoplasmic Reticu	
Stephens, N.L.	Cardiology	Pulmonary Artery	Hypertention	
Anthonisen, N. R.	Cardiology	Pulmonary Gas Exch.	Antibiotics	
Mink, S.N.	Cardiology	Respirology	Emphysema-Pulmonary	
Ali, J.	Cardiology	Surgery	Pulminary Edema	
Gerrard, J.M.	Cardiology	Thromboxane	Prostacyclin	(4)
Ducas, J.	Cardiology	Ventricular Funct'n		
Prewitt, R.M.	Cardiology	Ventricular Mech.	Systolic Interdepen	
Goldenberg, G.J.	Cell Biology			Team
Cameron, A.I.	Cerebral Palsy	Behav. Assessment	Multi-handicapped	
Fleming, N.	Cystic Fibrosis	Mucus Secretion	Oral Biology	
Yen, E.H.L.	Dentistry	Craniofacial remod.	Collagen Synthesis	
McCarthy, J.A.	Dentistry	Elderly	Dentures	
Lavelle, C.L.B.	Dentistry	Neurulation		
McLachlan, K.R.	Dentistry	Orthodontic Therapy		
Thliveris, J.A.	Diabetes	Endocrinology	Pituitary-Gonad	
Bihler, I.	Diabetes	Fatty Acid Regul'n	Glucose Transport	
Sima, A.A.F.	Diabetes	Neuropathies	Retinopathy	
Dean, H.L.	Diabetes	Pediatrics	Insulin Receptor	
Vriend, J.	Endocrinology	Melatonin		
Matusik, R.J.	Endocrinology	Oncology	Molecular Biology	
Winter, J.S.D.	Endocrinology	Pediatrics	Adrenal hormones	
Templeton, J.F.	Endocrinology	Pharmacology	Steriods	
Cheng, G.K.-W.	Endocrinology	Pituitary	Glycoprotein Horm.	
Friesen, H.G.	Endocrinology	Pituitary Hormones	Clinical Trials	
Friesen, H.G.	Endocrinology	Placental Hormones	Brain Hormones	
Evans, J.A.	Genetics	Mentally Retarded	Fragile Sites	(14)
Ray, M.	Genetics-Human	Fragile Sites		(14)
Plummer, F.A.	Gonorrhoeae	VD	Penicillin-resist.	
Guijon, F.B.	Gynecology	Dysplasia-Cervical		
Gerrard, J.M.	Heamatology	Blood Platlets	Pediatrics	
Bonacossa, I.A.	Heamatology	Platelets	Alloimmunization	
Greenway, C.V.	Hepatitis	Drugs		
Sitar, D.	Hepatitis	Drugs		
Baker, S.J.	Ileitis and Colitis	Crahn's Disease	Immunology	Team
Delespesse, G.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Jacob, E.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Sehon, A.	Immunology	Allergy Research		Team
Paraskevas, F.	Immunology	Antigen Recognition	Immunocompetentcell	
Warrington, R.J.	Immunology	Hypersensitivity	Migrat'n Inhib.Test	
Jamieson, J.C.	Immunology	Inflammation	Leukocyte Factors	
Jay, F.T.	Immunology	Interferon		
Paraskevas, F.	Immunology	Monoclonal Antibody	Anti-suppression	
Gerrard, J.M.	Immunology	Monoclonal Antibody		
Wright, J.A.	Immunology	Monoclonal Antibody		
Dyck, D.	Immunology	Natural Killer Cell	Drug-Induced	(10)
Greenberg, A.H.	Immunology	Pediatrics	Natural Resistance	(4)
Warrington, R.J.	Immunology	SLE	Arthritis	
Sabbadini, E.R.	Immunology	T Cells - cytotoxic		

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Gartner, J.G.	Immunology	Transplantation	Graft Rejection	
Low, D.E.	Microbiology	Antibiotic Resistan	Staph-Coagulase Neg	
Brunham, R.C.	Microbiology	Chlamydia trachom.	Salpingitis	
Harding, G.K.M.	Microbiology	Disease-Hospital Ac	Catheter-Associated	
Ronald, A.R.	Microbiology	Heamophilius ducrey		
Louie, T.J.	Microbiology	Intestinal Bacteria	Vitamin K2	
Light, R.B.	Microbiology	Pneumonia	Pathophysiology	
Binns, B.	Microbiology	Salpingitis		
Postl, B.D.	Microbiology	Streptococcal Gp A	Native Communities	
Davie, J.R.	Molecular Biology	Chromatin	Nucleosomal Protein	
McAlpine, P.J.	Molecular Biology	Genetics	Gene Mapping-Man	
Hamerton, J.L.	Molecular Biology	Recombinant DNA	Somatic Cell Geneti	
Hannon, C.K.	Molecular Biology	Recombinant DNA	Virus-Adenovirus	(16)
Fish, D.G.	Multiple Sclorosis	Twins	Disease-disordant	
Cheng, G.K-W.	Muscular Dystrophy	Muscles	Choline acetyltrans	
Wrogemann, K.	Muscular Dystrophy	Muscles	Metabolism	
Jacobs, H.K.	Muscular Dystrophy	Neonatology	Screening	(18)
Hamerton, J.L.	Neonatology	Amniocentesis	Chorionic Villi	
Duncan, P.G.	Neonatology	Anaesthesiology	H/C Delivery	
Ong, B.Y.	Neonatology	Anesthesiology	Cerebrovascular Reg	Team
Chernick, V.	Neonatology	Drugs-Naloxone	Birth Asphyxia	
Chudley, A.E.	Neonatology	Genetics	Fragile Sites	Team
Evans, J.A.	Neonatology	Genetics	Mortality	
Wang, H-S.	Neonatology	Genetics	Mortality	
Ray, M.	Neonatology	Genetics-Cytogeneti	Heavy Metals	
Faiman, C.	Neonatology	Gonadotropin	Opiates	
Law, B.	Neonatology	Immunology	Eloli Infection	
Moffatt, M.E.	Neonatology	Iron	Infant Development	
Manning, F.	Neonatology	Neurology	Neural-tube defects	Team
Moffatt, M.E.	Neonatology	Otitis Media	Feeding Position	
Chernick, V.	Neonatology	Physiology		
Eaton, W.O.	Neonatology	Psychology	Fetal Movement	
Enns, L.	Neonatology	Psychology	Home Environment	(11)
Rigatto, H.	Neonatology	Respirology	Polysomnography	
Bishop, A.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Bowman, J.M.	Neonatology	Rh Disease	Antenatal Treatment	Team
Kobrinski, N.L.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Graham, G.R.	Nephrology	Dialysis-CAPD	Surfactant	
Fine, A.	Nephrology	Glomerular Filter		
Turner, G.A.	Nephrology	Hemodialysis	Parenteral Nutrit'n	
Rush, D.N.	Nephrology	Immunology	Transplants	
McKenzie, J.K.	Nephrology	Pharmacology	Inactive Renin	
Anderson, W.A.	Neurology	Analgesic Pathways	Pain Suppression	
Dakshinamurti, K.	Neurology	Biochemistry	Pyridoxine	
Shefchyk, S.J.	Neurology	CNS Mechanisms	Micturition	
Mutch, W.A.C.	Neurology	Cerebral Blood Flow	Depression-Spreadin	
Lee, T.Y.	Neurology	Cerebral Blood Flow	Gliblastoma Multifo	Team
Bruni, J.E.	Neurology	Cerebral Ventricles	Ependyma	
Shwedyk, E.	Neurology	EEG	Pattern Recog.Syste	
Lecomte, J.	Neurology	Encephalitis	Brain Imaging	(26)
Aoki, F.Y.	Neurology	Encephalitis	Herpes Simplex	Team
Greenberg, I.D.	Neurology	Encephalitis	Herpes Simplex	
Cardoso, E.R.	Neurology	Hydrocephalis	CSF Shunt Selection	
Del Bigio, M.R.	Neurology	Hydrocephalus	Shunt Correction	
Nathaniel, E.J.H.	Neurology	Hyphothyroid	Drug-thyroxine	
Gordon, R.	Neurology	Neurulation		(15)

NAME	PRIMARY	RESEARCH AREAS SECONDARY	TERTIARY	NOTES
Norton. R.	Neurology	Pain		
Geiger, J.D.	Neurology	Pharmacology	Adenosine	
Pinsky, C.	Neurology	Pharmacology		
Nagy, J.I.	Neurology	Physiology	Afferent systems	
Jordan, L.M.	Neurology	Physiology	Spinal Cord	
Jordon, L.M.	Neurology	Prosthesis-Neural	Locomot'n Changes	
McCrea, D.A.	Neurology	Spasticity	Interneuronal Path	
Loveridge, B.M.	Neurology	Spinal Cord Injury	Breath.Patt'n Analy	
Barnes, G.E.	Neurology	Spinal Cord Injury	Depression	
Kristjanson, L	Nursing	ALS	Palliative Care	
Farrel, P.	Nursing	Evaluating Nursing	Quality of Nursing	(12)
Bruce, V.	Nutrition	Beta-glucans	Fiber-water soluble	
Kredenster, J.V.	Obstetrics	Fertility	Inflamm.Bowel Dise.	
McCoshen, J.A.	Obstetrics	Gestation	Prolactin	
Roos, N.P.	Oncology	Cervical Screening	Social&Prevent.Med.	Team
Kobrinski, N.L.	Oncology	Chemotherapy	Control of Nausea	
Davie, J.R.	Oncology	Chromatic Structure	Aflotoxin B1	
Carr. I.	Oncology	Colorectal Cancer	Neoplastic Invasion	Team
Shalev, S.	Oncology	Diaphanography	Radiology	(19,33)
Brown, R.E.	Oncology	Diaphanography	Ultrasound	(33)
Johnston, J.B.	Oncology	Drug-2'deoxycoforyc	Leukemia	(Team)
Shiu, R.P.C.	Oncology	Endocrinology	Breast Cancer	
Brandes, L.J.	Oncology	Endocrinology	Hormone Resistance	(4)
Greenberg, A.H.	Oncology	Genetics	Tumor Heterogeneity	
Friesen, H.G.	Oncology	Growth Factor		
Schipper, H.	Oncology	H/C Delivery	Community-M.D. Sys.	25,Team
Wilkins, J.A.	Oncology	Immunology	Monokines-Cytotoxic	
Chow, D.A.	Oncology	Immunology	Natural Resistance	(4)
Froese, G.	Oncology	Immunology	Tumor-specific AB	
Wilkins, J.A.	Oncology	Leukemia-Human T	Virology	
Begleiter, A.	Oncology	Leukemia-Lyphocytic	Drugs-chemotherapy	(29,30)
Isreals, L.G.	Oncology	Leukemia-Lyphocytic		Team,30
Johnston, R.B.	Oncology	Leukemia-Lyphocytic		(29)
Mowat, M.	Oncology	Leukemia-Lyphocytic		(29)
Paraskevas, F.	Oncology	Leukemia-Lyphocytic		(29)
Carr, I.	Oncology	Lymph Node Response		Team
Gartner, J.G.	Oncology	Lymph Node Response		(6)
Schacter, B.A.	Oncology	Lymphosarcoma	Liver Function	
Degner, L	Oncology	Nursing		
Kobrinski, N.L.	Oncology	Pediatrics	Drugs-Naloxone	
Lam, H-Y.P.	Oncology	Pharmacology	Drug Resist.-Multi	
Bose, D.	Oncology	Pharmacology	Hyerthermia-maligna	
Matusik, R.J.	Oncology	Prostatic Tumor	Recombinant DNA	
Levitt, M.	Oncology	Quality of Life	Index	(20)
Shalev, S.	Oncology	Radiotherapy	Risk Analysis	
Dodd, J.G.	Oncology	Recombinate DNA	Human Prostate	
Cohen, M.M.	Oncology	Screening	Cervical Cancer	
Rollo, I.M.	Oncology	Tissue Culture	ClonogenicTumorCell	
Pettigrew, N.	Oncology			(5,6)
Rector, E.	Oncology			(5,6)
Dawes, C.	Oral Biology	Dental Plaque	Saliva	
Zebrowski, E.J.	Oral Biology	Diabetes	Gingival Collagen	
Howland, B.E.	Oral Biology	Endocrinology		
Hamilton, I.R.	Oral Biology	Microbiology	Chromoscan Three	
Bowden, G.H.W.	Oral Biology	Microbiology		
Johnson, R.B.	Oral Biology	Peridontal		

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Ireland, D.J.	Otolaryngology	Optokinetics	Vascular Funct'n	(17)
Bose, D.	Parkinson's Disease	Pharmacology	Glutathione	
Pinsky, C.	Parkinson's Disease	Pharmacology	Nutrition	
Kanfer, J.	Pediatrics	Biochemistry	Phospholypase D	
Pelech, A.N.	Pediatrics	Cardiology	Myocardial Perfusio	
Persaud, T.V.N.	Pediatrics	Developmental Defec	Anatomy	
Black, G.B.	Pediatrics	Dysplasia-Hip	Objective Assessmen	
Tenenbein, M.	Pediatrics	Gastro-intenstinal	Bowel Irrigation	
Hamerton, J.L.	Pediatrics	Genetics	Gene Mapping	
Lewis, M.	Pediatrics	Heamatology	Blood Groups	
Casiro, O.G.	Pediatrics	Linguistic Competen	LowBodyWeight Infan	
Law, B.	Pediatrics	Microbiology	Antibiotic-gram neg	
Seshia, S.S.	Pediatrics	Neurology	Coma-Nontraumatic	
Shwedyk, E.	Pediatrics	Neurology	EEG-Computer D/Base	
Becker, A,	Pediatrics	Respirology	Asthma	
Belik, J.	Pediatrics	Respirology	BPD	
Reid, R.E.	Pharmacology	Calcium Bind. Units		
Man, R.Y.K.	Pharmacology	Cardiology	Drug-Lidocaine	
Kim, R.-S. S.	Pharmacology	Cardiology	Ionophores	
Lautt, W.W.	Pharmacology	Hepatitis	Neurology	
Glavin, G.B.	Pharmacology	Neurology	Monoamine, Stress	
Labella, F.S.	Pharmacology	Neurology	Neuropeptides	
Kryger, M.H.	Polysomnography	Respirology	Sleep	
Cantor, S.	Psychiatry	Cholinergic System	Radiochemical Study	
Welch, J.S.	Psychiatry	H/C Delivery&Educat	Interns-Night Call	
Gfellner, B.M.	Psychology	Adolescent Sexualit	Birth Control	
Tefft, B.M.	Psychology	Marriage	Unemployment	(28)
Martin, H.L.	Psychology	Mental Retardation	Vocational Ability	
Tefft, B.M.	Psychology	Mentally Ill	Public Beleifs	
Walker, J.L.	Psychology	Stress	Farmers	
Billingshurst, M.W	Radiology	Encephalitis	Brain Imaging	(2)
Younges, M.K.	Respirology	Breathing Patterns	Beathing Control	
Adamson, I.Y.R.	Respirology	Pathology	Lung Development	
Bowden, D.H.	Respirology	Pathology	Lung injury&repair	
Klass, D.J.	Respirology	Physiology	Lung	
Faridy, E.E.	Respirology	Physiology	Lung Development	
Kroeger, E.A.	Respirology	Smooth Muscules	Physiology	also 31
Cohen, M.M.	Social&Prevent.Med.	H/C Delivery	Anesth.& Surg. Risk	(7)
Lyttle, D.	Social&Prevent.Med.	H/C Delivery	Surgery-Knee Replac	
Roos, L.	Social&Prevent.Med.	H/C Delivery	Surgical Evaluation	
O'Neil, J.D.	Social&Prevent.Med.	Interpreters	Inuit	
Kaufert, P.	Social&Prevent.Med.	Longitudinal Study	Women in Middle Yrs	
O'Neil, J.D.	Social&Prevent.Med.	Obstetrics Evacuat.	Inuit	
Manfreda, J.	Social&Prevent.Med.	Occupational Health	Bronchitis	
Krepart, G.V.	Social&Prevent.Med.	Oncology	Cervical Screening	
Sigurdson, E.S.	Social&Prevent.Med.	Sexual Abuse	Rural	(27)
Garro, L.C.	Social&Prevent.Med.	Treatment Decisions	Rural Manitoba	
Froese, A.				(13)
Kephron, W.				(13)
Kisil, F.				(13)
Lange, I.R.				(21)
McClary, B.				(31)
Palahniuk, R.J.				(32)
Schwenk, R.				(13)
West, M.				(31)

SECTION 4

ALPHABETICAL LISTING OF SECONDARY RESEARCH AREAS

NAME	PRIMARY	RESEARCH AREAS SECONDARY	TERTIARY	NOTES
Kristjanson, L	Nursing	ALS	Palliative Care	
Gfellner, B.M.	Psychology	Adolescent Sexualit	Birth Control	
Sehon, A.	Immunology	Allergy Research		Team
Hamerton, J.L.	Neonatology	Amniocentesis	Chorionic Villi	
Duke, P.	Cardiology	Anaesthesiology	Baroreflex Control	(9)
Thomson, I.R.	Cardiology	Anaesthesiology	Fentanyl Anaesthesi	
Duncan, P.G.	Neonatology	Anaesthesiology	H/C Delivery	
Anderson, W.A.	Neurology	Analgesic Pathways	Pain Suppression	
Ong, B.Y.	Neonatology	Anesthesiology	Cerebrovascular Reg	Team
Low, D.E.	Microbiology	Antibiotic Resistan	Staph-Coagulase Neg	
Paraskevas, F.	Immunology	Antigen Recognition	Immunocompetentcell	
Singal, P.K.	Cardiology	Ardiamycin	Cardiac Hypertrophy	
Cameron, A.I.	Cerebral Palsy	Behav. Assessment	Multi-handicapped	
Bruce, V.	Nutrition	Beta-glucans	Fiber-water soluble	
Yamada, E.V.W.	Cardiology	Biochemistry	Calcium Paradoxes	
Bowness, J.M.	Cardiology	Biochemistry	Lipoproteins	
Dakshinamurti, K.	Neurology	Biochemistry	Pyridoxine	
Kanfer, J.	Pediatrics	Biochemistry	Phospholypase D	
Gerrard, J.M.	Heamatology	Blood Platlets	Pediatrics	
Younges, M.K.	Respirology	Breathing Patterns	Beathing Control	
Shefchyk, S.J.	Neurology	CNS Mechanisms	Micturition	
Reid, R.E.	Pharmacology	Calcium Bind. Units		
Choy, P.C.	Cardiology	Cardiac Arrhythmias	Phospolipid	
Pelech, A.N.	Pediatrics	Cardiology	Myocardial Perfusio	
Man, R.Y.K.	Pharmacology	Cardiology	Drug-Lidocaine	
Kim, R.-S. S.	Pharmacology	Cardiology	Ionophores	
Sitar, D.	Cardiology	Cardiovascular Drug	Hepatic Hemodynamic	
Mutch, W.A.C.	Neurology	Cerebral Blood Flow	Depression-Spreadin	
Lee, T.Y.	Neurology	Cerebral Blood Flow	Gliblastoma Multifo	Team
Bruni, J.E.	Neurology	Cerebral Ventricles	Ependyma	
Roos, N.P.	Oncology	Cervical Screening	Social&Prevent.Med.	Team
Kobrinski, N.L.	Oncology	Chemotherapy	Control of Nausea	
Brunham, R.C.	Microbiology	Chlamydia trachom.	Salpingitis	
Cantor, S.	Psychiatry	Cholinergic System	Radiochemical Study	
Davie, J.R.	Oncology	Chromatic Structure	Aflotoxin B1	
Davie, J.R.	Molecular Biology	Chromatin	Nucleosomal Protein	
Carr. I.	Oncology	Colorectal Cancer	Neoplastic Invasion	Team
Bowness, J.M.	Biochemistry	Connective Tissue	Intercell. Matrix	
Baker, S.J.	Ileitis and Colitis	Crahn's Disease	Immunology	Team
Delespesse, G.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Jacob, E.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Yen, E.H.L.	Dentistry	Craniofacial remod.	Collagen Synthesis	
Dawes, C.	Oral Biology	Dental Plaque	Saliva	
Knazan, Y.	Aging	Dentistry	Dentures	
Persaud, T.V.N.	Pediatrics	Developmental Defec	Anatomy	
Polimeni, P.I.	Cardiology	Diabetes	Electrolytes	
Yatscoff, R.W.	Cardiology	Diabetes	Platelet Function	
Zebrowski, E.J.	Oral Biology	Diabetes	Gingival Collagen	
Graham, G.R.	Nephrology	Dialysis-CAPD	Surfactant	
Shalev, S.	Oncology	Diaphanography	Radiology	(19,33)
Brown, R.E.	Oncology	Diaphanography	Ultrasound	(33)
Harding, G.K.M.	Microbiology	Disease-Hospital Ac	Catheter-Associated	
Johnston, J.B.	Oncology	Drug-2'deoxycoforyc	Leukemia	(Team)
Karim, A.C.	Anatomy	Drug-adriamycin	Pulp Mesenchymal ce	
Khatter, J.C.	Cardiology	Drug-digitalis		
Greenway, C.V.	Hepatitis	Drugs		

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Sitar, D.	Hepatitis	Drugs		
Hunter, T.	Arthritis	Drugs-Antirheumatic		
Chernick, V.	Neonatology	Drugs-Naloxone	Birth Asphyxia	
Guijon, F.B.	Gynecology	Dysplasia-Cervical		
Black, G.B.	Pediatrics	Dysplasia-Hip	Objective Assessmen	
Shwedyk, E.	Neurology	EEG	Pattern Recog.Syste	
Oppenheimer, L.	Cardiology	Edema-Pulmonary	Hysteresis	
McCarthy, J.A.	Dentistry	Elderly	Dentures	
Lecomte, J.	Neurology	Encephalitis	Brain Imaging	(26)
Aoki, F.Y.	Neurology	Encephalitis	Herpes Simplex	Team
Greenberg, I.D.	Neurology	Encephalitis	Herpes Simplex	
Billingshurst, M.W	Radiology	Encephalitis	Brain Imaging	(2)
Thliveris, J.A.	Diabetes	Endocrinology	Pituitary-Gonad	
Shiu, R.P.C.	Oncology	Endocrinology	Breast Cancer	
Brandes, L.J.	Oncology	Endocrinology	Hormone Resistance	(4)
Howland, B.E.	Oral Biology	Endocrinology		
Farrel, P.	Nursing	Evaluating Nursing	Quality of Nursing	(12)
Bihler, I.	Diabetes	Fatty Acid Regul'n	Glucose Transport	
Kredenster, J.V.	Obstetrics	Fertility	Inflamm.Bowel Dise.	
Ray, M.	Genetics-Human	Fragile Sites		(14)
Tenenbein, M.	Pediatrics	Gastro-intenstinal	Bowel Irrigation	
McAlpine, P.J.	Molecular Biology	Genetics	Gene Mapping-Man	
Chudley, A.E.	Neonatology	Genetics	Fragile Sites	Team
Evans, J.A.	Neonatology	Genetics	Mortality	
Wang, H-S.	Neonatology	Genetics	Mortality	
Greenberg, A.H.	Oncology	Genetics	Tumor Heterogeneity	
Hamerton, J.L.	Pediatrics	Genetics	Gene Mapping	
Ray, M.	Neonatology	Genetics-Cytogeneti	Heavy Metals	
McCoshen, J.A.	Obstetrics	Gestation	Prolactin	
Fine, A.	Nephrology	Glomerular Filter		
Faiman, C.	Neonatology	Gonadotropin	Opiates	
Friesen, H.G.	Oncology	Growth Factor		
Segall, A.	Aging	H/C Beliefs & Pract	Medical&Social Serv	
Montgomery, P.	Aging	H/C Delivery	Emergency Admission	
Chappell, N.I.	Aging	H/C Delivery	Use of H/C Services	
Strain, L.A.	Aging	H/C Delivery	Use of H/C Services	
Schipper, H.	Oncology	H/C Delivery	Community-M.D. Sys.	25,Team
Cohen, M.M.	Social&Prevent.Med.	H/C Delivery	Anesth.& Surg. Risk	(7)
Lyttle, D.	Social&Prevent.Med.	H/C Delivery	Surgery-Knee Replac	
Roos, L.	Social&Prevent.Med.	H/C Delivery	Surgical Evaluation	
Welch, J.S.	Psychiatry	H/C Delivery&Educat	Interns-Night Call	
Lewis, M.	Pediatrics	Heamatology	Blood Groups	
Ronald, A.R.	Microbiology	Heamophilius ducrey		
Schacter, B.A.	Biochemistry	Heme Oxygenase	Microsomal	
Turner, G.A.	Nephrology	Hemodialysis	Parenteral Nutrit'n	
Lautt, W.W.	Pharmacology	Hepatitis	Neurology	
Cardoso, E.R.	Neurology	Hydrocephalis	CSF Shunt Selection	
Del Bigio, M.R.	Neurology	Hydrocephalus	Shunt Correction	
Warrington, R.J.	Immunology	Hypersensitivity	Migrat'n Inhib.Test	
Dakshinamurti, K.	Cardiology	Hypertension	Animal Model	
Nathaniel, E.J.H.	Neurology	Hyphothyroid	Drug-thyroxine	
Rosenberg, A.	Arthritis	Immunology	Auto-immunity	
Berczi, I.	Arthritis	Immunology	Hormonal Regulation	
Warrington, R.J.	Arthritis	Immunology		
Wilkins, J.	Arthritis	Immunology		
Law, B.	Neonatology	Immunology	Eloli Infection	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Rush, D.N.	Nephrology	Immunology	Transplants	
Wilkins, J.A.	Oncology	Immunology	Monokines-Cytotoxic	
Chow, D.A.	Oncology	Immunology	Natural Resistance	(4)
Froese, G.	Oncology	Immunology	Tumor-specific AB	
Jamieson, J.C.	Immunology	Inflammation	Leukocyte Factors	
Jay, F.T.	Immunology	Interferon		
O'Neil, J.D.	Social&Prevent.Med.	Interpreters	Inuit	
Louie, T.J.	Microbiology	Intestinal Bacteria	Vitamin K2	
Moffatt, M.E.	Neonatology	Iron	Infant Development	
Oen, K.G.	Arthritis	Juvenile Rhematoid	Immunology	
Wilkins, J.A.	Oncology	Leukemia-Human T	Virology	
Begleiter, A.	Oncology	Leukemia-Lyphocytic	Drugs-chemotherapy	(29,30)
Isreals, L.G.	Oncology	Leukemia-Lyphocytic		Team,30
Johnston, R.B.	Oncology	Leukemia-Lyphocytic		(29)
Mowat, M.	Oncology	Leukemia-Lyphocytic		(29)
Paraskevas, F.	Oncology	Leukemia-Lyphocytic		(29)
Casiro, O.G.	Pediatrics	Linguistic Competen	LowBodyWeight Infan	
Powell, C.	Aging	Living Arrangements	Primary Care	(23)
Mossey, J.M.	Aging	Longitudinal Study	H/C Delivery	(22)
Havens, B.	Aging	Longitudinal Study	Needs and Resources	
Kaufert, J.M.	Aging	Longitudinal Study	Poliomyelitis	
Kaufert, P.	Social&Prevent.Med.	Longitudinal Study	Women in Middle Yrs	
Carr, I.	Oncology	Lymph Node Response		Team
Gartner, J.G.	Oncology	Lymph Node Response		(6)
Schacter, B.A.	Oncology	Lymphosarcoma	Liver Function	
Tefft, B.M.	Psychology	Marriage	Unemployment	(28)
Vriend, J.	Endocrinology	Melatonin		
Kanfer, J.N.	Biochemistry	Membrane	Phospholipids	
Martin, H.L.	Psychology	Mental Retardation	Vocational Ability	
Tefft, B.M.	Psychology	Mentally Ill	Public Beleifs	
Evans, J.A.	Genetics	Mentally Retarded	Fragile Sites	(14)
Dakshinamurti, K.	Biochemistry	Metabolic Control	Biotin	
Wrogemann, K.	Cardiology	Metabolic Defects	Genetic Cardiac Dis	
Hamilton, I.R.	Oral Biology	Microbiology	Chromoscan Three	
Bowden, G.H.W.	Oral Biology	Microbiology		
Law, B.	Pediatrics	Microbiology	Antibiotic-gram neg	
Paraskevas, F.	Immunology	Monoclonal Antibody	Anti-suppression	
Gerrard, J.M.	Immunology	Monoclonal Antibody		
Wright, J.A.	Immunology	Monoclonal Antibody		
Fleming, N.	Cystic Fibrosis	Mucus Secretion	Oral Biology	
Cheng, G.K-W.	Muscular Dystrophy	Muscles	Choline acetyltrans	
Wrogemann, K.	Muscular Dystrophy	Muscles	Metabolism	
Yamada, E.V.W.	Biochemistry	Muscles-Myogenesis	Calcium-bind.protei	
Wright, J.A.	Biochemistry	Muscles-Myogenesis	Muscle cell disease	(4)
Sharma, G.P.	Cardiology	Myocardial Preserv.	Evaluation	
Shwedyk, E.	Biomedical Engineer	Myoelectric proces.		
Dyck, D.	Immunology	Natural Killer Cell	Drug-Induced	(10)
Ong, B.Y.	Cardiology	Neonatology	Cerebrovascular Reg	
Jacobs, H.K.	Muscular Dystrophy	Neonatology	Screening	(18)
Tomlinson, G.	Biochemistry	Neurology	Synaptic Proteins	
Manning, F.	Neonatology	Neurology	Neural-tube defects	Team
Seshia, S.S.	Pediatrics	Neurology	Coma-Nontraumatic	
Shwedyk, E.	Pediatrics	Neurology	EEG-Computer D/Base	
Glavin, G.B.	Pharmacology	Neurology	Monoamine, Stress	
Labella, F.S.	Pharmacology	Neurology	Neuropeptides	
Sima, A.A.F.	Diabetes	Neuropathies	Retinopathy	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Lavelle, C.L.B.	Dentistry	Neurulation		
Gordon, R.	Neurology	Neurulation		(15)
Degner, L	Oncology	Nursing		
Diamant, R.	Aging	Nutrition	Women	
Powell, C.	Alzheimer's Disease	Nutrition	Cognative Dysfunc'n	(24)
Biehl, D.R.	Anesthesiology	Obstetrics		
O'Neil, J.D.	Social&Prevent.Med.	Obstetrics Evacuat.	Inuit	
Manfreda, J.	Social&Prevent.Med.	Occupational Health	Bronchitis	
Matusik, R.J.	Endocrinology	Oncology	Molecular Biology	
Krepart, G.V.	Social&Prevent.Med.	Oncology	Cervical Screening	
Ireland, D.J.	Otolaryngology	Optokinetics	Vascular Funct'n	(17)
Panagia, V.	Cardiology	Oral Biology	Hypertrophy	
McLachlan, K.R.	Dentistry	Orthodontic Therapy		
Moffatt, M.E.	Neonatology	Otitis Media	Feeding Position	
Norton. R.	Neurology	Pain		
Eskin, N.A.M.	Aging	Parkinson's Disease	Nutrition	
Adamson, I.Y.R.	Respirology	Pathology	Lung Development	
Bowden, D.H.	Respirology	Pathology	Lung injury&repair	
Simons, F.E.R.	Asthma	Pediatrics		
Vincent, R.	Cardiology	Pediatrics	Myocardial Perfusio	
Dean, H.L.	Diabetes	Pediatrics	Insulin Receptor	
Winter, J.S.D.	Endocrinology	Pediatrics	Adrenal hormones	
Greenberg, A.H.	Immunology	Pediatrics	Natural Resistance	(4)
Kobrinski, N.L.	Oncology	Pediatrics	Drugs-Naloxone	
Johnson, R.B.	Oral Biology	Peridontal		
Carter, S.	Cardiology	Peripheral Arteries	Raynaud's Phenomena	
Greenway, C.V.	Cardiology	Pharmacology	Blood	
Bihler, I.	Cardiology	Pharmacology	Cellular Sugar Tran	
Bose, D.	Cardiology	Pharmacology	Digitalis	also 32
Labella, F.S.	Cardiology	Pharmacology	Digitalis Receptor	
Man, R.Y.K.	Cardiology	Pharmacology	Drug-Antiarrhythmic	
Kim, R.-S. S.	Cardiology	Pharmacology	Fatty Acid Oxidat'n	
Bose, R.	Cardiology	Pharmacology	Hypertension	
Smyth, D.D.	Cardiology	Pharmacology	Hypertension	
Templeton, J.F.	Cardiology	Pharmacology	Ouabain Receptors	
Templeton, J.F.	Endocrinology	Pharmacology	Steriods	
McKenzie, J.K.	Nephrology	Pharmacology	Inactive Renin	
Geiger, J.D.	Neurology	Pharmacology	Adenosine	
Pinsky, C.	Neurology	Pharmacology		
Lam, H-Y.P.	Oncology	Pharmacology	Drug Resist.-Multi	
Bose, D.	Oncology	Pharmacology	Hyerthermia-maligna	
Bose, D.	Parkinson's Disease	Pharmacology	Glutathione	
Pinsky, C.	Parkinson's Disease	Pharmacology	Nutrition	
Dhalla, N.S.	Cardiology	Physiology	Sarcoplasmic Reticu	
Chernick, V.	Neonatology	Physiology		
Nagy, J.I.	Neurology	Physiology	Afferent systems	
Jordan, L.M.	Neurology	Physiology	Spinal Cord	
Klass, D.J.	Respirology	Physiology	Lung	
Faridy, E.E.	Respirology	Physiology	Lung Development	
Cheng, G.K.-W.	Endocrinology	Pituitary	Glycoprotein Horm.	
Friesen, H.G.	Endocrinology	Pituitary Hormones	Clinical Trials	
Friesen, H.G.	Endocrinology	Placental Hormones	Brain Hormones	
Bonacossa, I.A.	Heamatology	Platelets	Alloimmunization	
Light, R.B.	Microbiology	Pneumonia	Pathophysiology	
Matusik, R.J.	Oncology	Prostatic Tumor	Recombinant DNA	
Jordon, L.M.	Neurology	Prosthesis-Neural	Locomot'n Changes	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Stevens, F.C.	Biochemistry	Proteins	Structure-Function	
Agbayema, M.O.	Aging	Psychiatry	Sensory Impairment	
Getzlaf, S.	Aging	Psychology	Long-Term Care	
McIntyre, J.S.	Aging	Psychology	Memory Blocks	
Eaton, W.O.	Neonatology	Psychology	Fetal Movement	
Enns, L.	Neonatology	Psychology	Home Environment	(11)
Stephens, N.L.	Cardiology	Pulmonary Artery	Hypertention	
Anthonisen, N. R.	Cardiology	Pulmonary Gas Exch.	Antibiotics	
Levitt, M.	Oncology	Quality of Life	Index	(20)
Shalev, S.	Oncology	Radiotherapy	Risk Analysis	
Hamerton, J.L.	Molecular Biology	Recombinant DNA	Somatic Cell Geneti	
Hannon, C.K.	Molecular Biology	Recombinant DNA	Virus-Adenovirus	(16)
Dodd, J.G.	Oncology	Recombinate DNA	Human Prostate	
Mink, S.N.	Cardiology	Respirology	Emphysema-Pulmonary	
Rigatto, H.	Neonatology	Respirology	Polysomnography	
Becker, A,	Pediatrics	Respirology	Asthma	
Belik, J.	Pediatrics	Respirology	BPD	
Kryger, M.H.	Polysomnography	Respirology	Sleep	
Bishop, A.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Bowman, J.M.	Neonatology	Rh Disease	Antenatal Treatment	Team
Kobrinski, N.L.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Warrington, R.J.	Immunology	SLE	Arthritis	
Binns, B.	Microbiology	Salpingitis		
Cohen, M.M.	Oncology	Screening	Cervical Cancer	
Atchison, B.	Aging	Sensory Impairment	Burden of Care	(1)
Sigurdson, E.S.	Social&Prevent.Med.	Sexual Abuse	Rural	(27)
Braekevelt, C.R.	Anatomy	Skelital	Vertebrate retina	
Kroeger, E.A.	Respirology	Smooth Muscules	Physiology	also 31
McCrea, D.A.	Neurology	Spasticity	Interneuronal Path	
Loveridge, B.M.	Neurology	Spinal Cord Injury	Breath.Patt'n Analy	
Barnes, G.E.	Neurology	Spinal Cord Injury	Depression	
Postl, B.D.	Microbiology	Streptococcal Gp A	Native Communities	
Walker, J.L.	Psychology	Stress	Farmers	
Ali, J.	Cardiology	Surgery	Pulminary Edema	
Sabbadini, E.R.	Immunology	T Cells - cytotoxic		
Gerrard, J.M.	Cardiology	Thromboxane	Prostacyclin	(4)
Rollo, I.M.	Oncology	Tissue Culture	ClonogenicTumorCell	
Gartner, J.G.	Immunology	Transplantation	Graft Rejection	
Garro, L.C.	Social&Prevent.Med.	Treatment Decisions	Rural Manitoba	
Fish, D.G.	Multiple Sclorosis	Twins	Disease-disordant	
Plummer, F.A.	Gonorrhoeae	VD	Penicillin-resist.	
Ducas, J.	Cardiology	Ventricular Funct'n		
Prewitt, R.M.	Cardiology	Ventricular Mech.	Systolic Interdepen	
Sima, A.A.F.	Alzheimer's Disease			
Goldenberg, G.J.	Cell Biology			Team
Pettigrew, N.	Oncology			(5,6)
Rector, E.	Oncology			(5,6)
Froese, A.				(13)
Kephron, W.				(13)
Kisil, F.				(13)
Lange, I.R.				(21)
McClary, B.				(31)
Palahniuk, R.J.				(32)
Schwenk, R.				(13)
West, M.				(31)

SECTION 5

ALPHABETICAL LISTING OF TERTIARY RESEARCH AREAS

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Geiger, J.D.	Neurology	Pharmacology	Adenosine	
Winter, J.S.D.	Endocrinology	Pediatrics	Adrenal hormones	
Nagy, J.I.	Neurology	Physiology	Afferent systems	
Davie, J.R.	Oncology	Chromatic Structure	Aflotoxin B1	
Bonacossa, I.A.	Heamatology	Platelets	Alloimmunization	
Persaud, T.V.N.	Pediatrics	Developmental Defec	Anatomy	
Cohen, M.M.	Social&Prevent.Med.	H/C Delivery	Anesth.& Surg. Risk	(7)
Dakshinamurti, K.	Cardiology	Hypertension	Animal Model	
Bishop, A.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Bowman, J.M.	Neonatology	Rh Disease	Antenatal Treatment	Team
Kobrinski, N.L.	Neonatology	Rh Disease	Antenatal Treatment	(3)
Law, B.	Pediatrics	Microbiology	Antibiotic-gram neg	
Anthonisen, N. R.	Cardiology	Pulmonary Gas Exch.	Antibiotics	
Paraskevas, F.	Immunology	Monoclonal Antibody	Anti-suppression	
Warrington, R.J.	Immunology	SLE	Arthritis	
Becker, A,	Pediatrics	Respirology	Asthma	
Rosenberg, A.	Arthritis	Immunology	Auto-immunity	
Belik, J.	Pediatrics	Respirology	BPD	
Duke, P.	Cardiology	Anaesthesiology	Baroreflex Control	(9)
Younges, M.K.	Respirology	Breathing Patterns	Beathing Control	
Dakshinamurti, K.	Biochemistry	Metabolic Control	Biotin	
Chernick, V.	Neonatology	Drugs-Naloxone	Birth Asphyxia	
Gfellner, B.M.	Psychology	Adolescent Sexualit	Birth Control	
Greenway, C.V.	Cardiology	Pharmacology	Blood	
Lewis, M.	Pediatrics	Heamatology	Blood Groups	
Tenenbein, M.	Pediatrics	Gastro-intenstinal	Bowel Irrigation	
Friesen, H.G.	Endocrinology	Placental Hormones	Brain Hormones	
Lecomte, J.	Neurology	Encephalitis	Brain Imaging	(26)
Billingshurst, M.W	Radiology	Encephalitis	Brain Imaging	(2)
Shiu, R.P.C.	Oncology	Endocrinology	Breast Cancer	
Loveridge, B.M.	Neurology	Spinal Cord Injury	Breath.Patt'n Analy	
Manfreda, J.	Social&Prevent.Med.	Occupational Health	Bronchitis	
Atchison, B.	Aging	Sensory Impairment	Burden of Care	(1)
Cardoso, E.R.	Neurology	Hydrocephalis	CSF Shunt Selection	
Yamada, E.V.W.	Cardiology	Biochemistry	Calcium Paradoxes	
Yamada, E.V.W.	Biochemistry	Muscles-Myogenesis	Calcium-bind.protei	
Singal, P.K.	Cardiology	Ardiamycin	Cardiac Hypertrophy	
Harding, G.K.M.	Microbiology	Disease-Hospital Ac	Catheter-Associated	
Bihler, I.	Cardiology	Pharmacology	Cellular Sugar Tran	
Ong, B.Y.	Cardiology	Neonatology	Cerebrovascular Reg	
Ong, B.Y.	Neonatology	Anesthesiology	Cerebrovascular Reg	Team
Cohen, M.M.	Oncology	Screening	Cervical Cancer	
Krepart, G.V.	Social&Prevent.Med.	Oncology	Cervical Screening	
Cheng, G.K-W.	Muscular Dystrophy	Muscles	Choline acetyltrans	
Hamerton, J.L.	Neonatology	Amniocentesis	Chorionic Villi	
Hamilton, I.R.	Oral Biology	Microbiology	Chromoscan Three	
Friesen, H.G.	Endocrinology	Pituitary Hormones	Clinical Trials	
Rollo, I.M.	Oncology	Tissue Culture	ClonogenicTumorCell	
Powell, C.	Alzheimer's Disease	Nutrition	Cognative Dysfunc'n	(24)
Yen, E.H.L.	Dentistry	Craniofacial remod.	Collagen Synthesis	
Seshia, S.S.	Pediatrics	Neurology	Coma-Nontraumatic	
Schipper, H.	Oncology	H/C Delivery	Community-M.D. Sys.	25,Team
Kobrinski, N.L.	Oncology	Chemotherapy	Control of Nausea	
Knazan, Y.	Aging	Dentistry	Dentures	
McCarthy, J.A.	Dentistry	Elderly	Dentures	
Barnes, G.E.	Neurology	Spinal Cord Injury	Depression	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Mutch, W.A.C.	Neurology	Cerebral Blood Flow	Depression-Spreadin	
Bose, D.	Cardiology	Pharmacology	Digitalis	also 32
Labella, F.S.	Cardiology	Pharmacology	Digitalis Receptor	
Fish, D.G.	Multiple Sclorosis	Twins	Disease-disordant	
Lam, H-Y.P.	Oncology	Pharmacology	Drug Resist.-Multi	
Man, R.Y.K.	Cardiology	Pharmacology	Drug-Antiarrhythmic	
Dyck, D.	Immunology	Natural Killer Cell	Drug-Induced	(10)
Man, R.Y.K.	Pharmacology	Cardiology	Drug-Lidocaine	
Kobrinski, N.L.	Oncology	Pediatrics	Drugs-Naloxone	
Begleiter, A.	Oncology	Leukemia-Lyphocytic	Drugs-chemotherapy	(29,30)
Nathaniel, E.J.H.	Neurology	Hyphothyroid	Drug-thyroxine	
Shwedyk, E.	Pediatrics	Neurology	EEG-Computer D/Base	
Polimeni, P.I.	Cardiology	Diabetes	Electrolytes	
Law, B.	Neonatology	Immunology	Eloli Infection	
Montgomery, P.	Aging	H/C Delivery	Emergency Admission	
Mink, S.N.	Cardiology	Respirology	Emphysema-Pulmonary	
Bruni, J.E.	Neurology	Cerebral Ventricles	Ependyma	
Sharma, G.P.	Cardiology	Myocardial Preserv.	Evaluation	
Walker, J.L.	Psychology	Stress	Farmers	
Kim, R.-S. S.	Cardiology	Pharmacology	Fatty Acid Oxidat'n	
Moffatt, M.E.	Neonatology	Otitis Media	Feeding Position	
Thomson, I.R.	Cardiology	Anaesthesiology	Fentanyl Anaesthesi	
Eaton, W.O.	Neonatology	Psychology	Fetal Movement	
Bruce, V.	Nutrition	Beta-glucans	Fiber-water soluble	
Evans, J.A.	Genetics	Mentally Retarded	Fragile Sites	(14)
Chudley, A.E.	Neonatology	Genetics	Fragile Sites	Team
Hamerton, J.L.	Pediatrics	Genetics	Gene Mapping	
McAlpine, P.J.	Molecular Biology	Genetics	Gene Mapping-Man	
Wrogemann, K.	Cardiology	Metabolic Defects	Genetic Cardiac Dis	
Zebrowski, E.J.	Oral Biology	Diabetes	Gingival Collagen	
Lee, T.Y.	Neurology	Cerebral Blood Flow	Gliblastoma Multifo	Team
Bihler, I.	Diabetes	Fatty Acid Regul'n	Glucose Transport	
Bose, D.	Parkinsor's Disease	Pharmacology	Glutathione	
Cheng, G.K.-W.	Endocrinology	Pituitary	Glycoprotein Horm.	
Gartner, J.G.	Immunology	Transplantation	Graft Rejection	
Mossey, J.M.	Aging	Longitudinal Study	H/C Delivery	(22)
Duncan, P.G.	Neonatology	Anaesthesiology	H/C Delivery	
Ray, M.	Neonatology	Genetics-Cytogeneti	Heavy Metals	
Sitar, D.	Cardiology	Cardiovascular Drug	Hepatic Hemodynamic	
Aoki, F.Y.	Neurology	Encephalitis	Herpes Simplex	Team
Greenberg, I.D.	Neurology	Encephalitis	Herpes Simplex	
Enns, L.	Neonatology	Psychology	Home Environment	(11)
Berczi, I.	Arthritis	Immunology	Hormonal Regulation	
Brandes, L.J.	Oncology	Endocrinology	Hormone Resistance	(4)
Dodd, J.G.	Oncology	Recombinate DNA	Human Prostate	
Bose, D.	Oncology	Pharmacology	Hyerthermia-maligna	
Bose, R.	Cardiology	Pharmacology	Hypertension	
Smyth, D.D.	Cardiology	Pharmacology	Hypertension	
Stephens, N.L.	Cardiology	Pulmonary Artery	Hypertention	
Panagia, V.	Cardiology	Oral Biology	Hypertrophy	
Oppenheimer, L.	Cardiology	Edema-Pulmonary	Hysteresis	
Paraskevas, F.	Immunology	Antigen Recognition	Immunocompetentcell	
Oen, K.G.	Arthritis	Juvenile Rhematoid	Immunology	
Baker, S.J.	Ileitis and Colitis	Crahn's Disease	Immunology	Team
Delespesse, G.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)
Jacob, E.	Ileitis and Colitis	Crahn's Disease	Immunology	(8)

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
McKenzie, J.K.	Nephrology	Pharmacology	Inactive Renin	
Levitt, M.	Oncology	Quality of Life	Index	(20)
Moffatt, M.E.	Neonatology	Iron	Infant Development	
Kredenster, J.V.	Obstetrics	Fertility	Inflamm.Bowel Dise.	
Dean, H.L.	Diabetes	Pediatrics	Insulin Receptor	
Bowness, J.M.	Biochemistry	Connective Tissue	Intercell. Matrix	
McCrea, D.A.	Neurology	Spasticity	Interneuronal Path	
Welch, J.S.	Psychiatry	H/C Delivery&Educat	Interns-Night Call	
O'Neil, J.D.	Social&Prevent.Med.	Interpreters	Inuit	
O'Neil, J.D.	Social&Prevent.Med.	Obstetrics Evacuat.	Inuit	
Kim, R.-S. S.	Pharmacology	Cardiology	Ionophores	
Johnston, J.B.	Oncology	Drug-2'deoxycoforyc	Leukemia	(Team)
Jamieson, J.C.	Immunology	Inflammation	Leukocyte Factors	
Bowness, J.M.	Cardiology	Biochemistry	Lipoproteins	
Schacter, B.A.	Oncology	Lymphosarcoma	Liver Function	
Jordon, L.M.	Neurology	Prosthesis-Neural	Locomot'n Changes	
Getzlaf, S.	Aging	Psychology	Long-Term Care	
Casiro, O.G.	Pediatrics	Linguistic Competen	LowBodyWeight Infan	
Klass, D.J.	Respirology	Physiology	Lung	
Adamson, I.Y.R.	Respirology	Pathology	Lung Development	
Faridy, E.E.	Respirology	Physiology	Lung Development	
Bowden, D.H.	Respirology	Pathology	Lung injury&repair	
Segall, A.	Aging	H/C Beliefs & Pract	Medical&Social Serv	
McIntyre, J.S.	Aging	Psychology	Memory Blocks	
Wrogemann, K.	Muscular Dystrophy	Muscles	Metabolism	
Schacter, B.A.	Biochemistry	Heme Oxygenase	Microsomal	
Shefchyk, S.J.	Neurology	CNS Mechanisms	Micturition	
Warrington, R.J.	Immunology	Hypersensitivity	Migrat'n Inhib.Test	
Matusik, R.J.	Endocrinology	Oncology	Molecular Biology	
Glavin, G.B.	Pharmacology	Neurology	Monoamine, Stress	
Wilkins, J.A.	Oncology	Immunology	Monokines-Cytotoxic	
Evans, J.A.	Neonatology	Genetics	Mortality	
Wang, H-S.	Neonatology	Genetics	Mortality	
Cameron, A.I.	Cerebral Palsy	Behav. Assessment	Multi-handicapped	
Wright, J.A.	Biochemistry	Muscles-Myogenesis	Muscle cell disease	(4)
Vincent, R.	Cardiology	Pediatrics	Myocardial Perfusio	
Pelech, A.N.	Pediatrics	Cardiology	Myocardial Perfusio	
Postl, B.D.	Microbiology	Streptococcal Gp A	Native Communities	
Greenberg, A.H.	Immunology	Pediatrics	Natural Resistance	(4)
Chow, D.A.	Oncology	Immunology	Natural Resistance	(4)
Havens, B.	Aging	Longitudinal Study	Needs and Resources	
Carr. I.	Oncology	Colorectal Cancer	Neoplastic Invasion	Team
Manning, F.	Neonatology	Neurology	Neural-tube defects	Team
Lautt, W.W.	Pharmacology	Hepatitis	Neurology	
Labella, F.S.	Pharmacology	Neurology	Neuropeptides	
Davie, J.R.	Molecular Biology	Chromatin	Nucleosomal Protein	
Eskin, N.A.M.	Aging	Parkinson's Disease	Nutrition	
Pinsky, C.	Parkinson's Disease	Pharmacology	Nutrition	
Black, G.B.	Pediatrics	Dysplasia-Hip	Objective Assessmen	
Faiman, C.	Neonatology	Gonadotropin	Opiates	
Fleming, N.	Cystic Fibrosis	Mucus Secretion	Oral Biology	
Templeton, J.F.	Cardiology	Pharmacology	Ouabain Receptors	
Anderson, W.A.	Neurology	Analgesic Pathways	Pain Suppression	
Kristjanson, L	Nursing	ALS	Palliative Care	
Turner, G.A.	Nephrology	Hemodialysis	Parenteral Nutrit'n	
Light, R.B.	Microbiology	Pneumonia	Pathophysiology	

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Shwedyk, E.	Neurology	EEG	Pattern Recog.Syste	
Gerrard, J.M.	Heamatology	Blood Platlets	Pediatrics	
Plummer, F.A.	Gonorrhoeae	VD	Penicillin-resist.	
Kanfer, J.N.	Biochemistry	Membrane	Phospholipids	
Kanfer, J.	Pediatrics	Biochemistry	Phospholypase D	
Choy, P.C.	Cardiology	Cardiac Arrhythmias	Phospolipid	
Kroeger, E.A.	Respirology	Smooth Muscules	Physiology	also 31
Thliveris, J.A.	Diabetes	Endocrinology	Pituitary-Gonad	
Yatscoff, R.W.	Cardiology	Diabetes	Platelet Function	
Kaufert, J.M.	Aging	Longitudinal Study	Poliomyelitis	
Rigatto, H.	Neonatology	Respirology	Polysomnography	
Powell, C.	Aging	Living Arrangements	Primary Care	(23)
McCoshen, J.A.	Obstetrics	Gestation	Prolactin	
Gerrard, J.M.	Cardiology	Thromboxane	Prostacyclin	(4)
Tefft, B.M.	Psychology	Mentally Ill	Public Beleifs	
Ali, J.	Cardiology	Surgery	Pulminary Edema	
Karim, A.C.	Anatomy	Drug-adriamycin	Pulp Mesenchymal ce	
Dakshinamurti, K.	Neurology	Biochemistry	Pyridoxine	
Farrel, P.	Nursing	Evaluating Nursing	Quality of Nursing	(12)
Cantor, S.	Psychiatry	Cholinergic System	Radiochemical Study	
Shalev, S.	Oncology	Diaphanography	Radiology	(19,33)
Carter, S.	Cardiology	Peripheral Arteries	Raynaud's Phenomena	
Matusik, R.J.	Oncology	Prostatic Tumor	Recombinant DNA	
Sima, A.A.F.	Diabetes	Neuropathies	Retinopathy	
Shalev, S.	Oncology	Radiotherapy	Risk Analysis	
Sigurdson, E.S.	Social&Prevent.Med.	Sexual Abuse	Rural	(27)
Garro, L.C.	Social&Prevent.Med.	Treatment Decisions	Rural Manitoba	
Dawes, C.	Oral Biology	Dental Plaque	Saliva	
Brunham, R.C.	Microbiology	Chlamydia trachom.	Salpingitis	
Dhalla, N.S.	Cardiology	Physiology	Sarcoplasmic Reticu	
Jacobs, H.K.	Muscular Dystrophy	Neonatology	Screening	(18)
Agbayema, M.O.	Aging	Psychiatry	Sensory Impairment	
Del Bigio, M.R.	Neurology	Hydrocephalus	Shunt Correction	
Kryger, M.H.	Polysomnography	Respirology	Sleep	
Roos, N.P.	Oncology	Cervical Screening	Social&Prevent.Med.	Team
Hamerton, J.L.	Molecular Biology	Recombinant DNA	Somatic Cell Geneti	
Jordan, L.M.	Neurology	Physiology	Spinal Cord	
Low, D.E.	Microbiology	Antibiotic Resistan	Staph-Coagulase Neg	
Templeton, J.F.	Endocrinology	Pharmacology	Steriods	
Stevens, F.C.	Biochemistry	Proteins	Structure-Function	
Graham, G.R.	Nephrology	Dialysis-CAPD	Surfactant	
Lyttle, D.	Social&Prevent.Med.	H/C Delivery	Surgery-Knee Replac	
Roos, L.	Social&Prevent.Med.	H/C Delivery	Surgical Evaluation	
Tomlinson, G.	Biochemistry	Neurology	Synaptic Proteins	
Prewitt, R.M.	Cardiology	Ventricular Mech.	Systolic Interdepen	
Rush, D.N.	Nephrology	Immunology	Transplants	
Greenberg, A.H.	Oncology	Genetics	Tumor Heterogeneity	
Froese, G.	Oncology	Immunology	Tumor-specific AB	
Brown, R.E.	Oncology	Diaphanography	Ultrasound	(33)
Tefft, B.M.	Psychology	Marriage	Unemployment	(28)
Chappell, N.I.	Aging	H/C Delivery	Use of H/C Services	
Strain, L.A.	Aging	H/C Delivery	Use of H/C Services	
Ireland, D.J.	Otolaryngology	Optokinetics	Vascular Funct'n	(17)
Braekevelt, C.R.	Anatomy	Skelital	Vertebrate retina	
Wilkins, J.A.	Oncology	Leukemia-Human T	Virology	
Hannon, C.K.	Molecular Biology	Recombinant DNA	Virus-Adenovirus	(16)

NAME	RESEARCH AREAS PRIMARY	SECONDARY	TERTIARY	NOTES
Louie, T.J.	Microbiology	Intestinal Bacteria	Vitamin K2	
Martin, H.L.	Psychology	Mental Retardation	Vocational Ability	
Diamant, R.	Aging	Nutrition	Women	
Kaufert, P.	Social&Prevent.Med.	Longitudinal Study	Women in Middle Yrs	
Sima, A.A.F.	Alzheimer's Disease			
Biehl, D.R.	Anesthesiology	Obstetrics		
Hunter, T.	Arthritis	Drugs-Antirheumatic		
Warrington, R.J.	Arthritis	Immunology		
Wilkins, J.	Arthritis	Immunology		
Simons, F.E.R.	Asthma	Pediatrics		
Shwedyk, E.	Biomedical Engineer	Myoelectric proces.		
Khatter, J.C.	Cardiology	Drug-digitalis		
Ducas, J.	Cardiology	Ventricular Funct'n		
Goldenberg, G.J.	Cell Biology			Team
Lavelle, C.L.B.	Dentistry	Neurulation		
McLachlan, K.R.	Dentistry	Orthodontic Therapy		
Vriend, J.	Endocrinology	Melatonin		
Ray, M.	Genetics-Human	Fragile Sites		(14)
Guijon, F.B.	Gynecology	Dysplasia-Cervical		
Greenway, C.V.	Hepatitis	Drugs		
Sitar, D.	Hepatitis	Drugs		
Sehon, A.	Immunology	Allergy Research		Team
Jay, F.T.	Immunology	Interferon		
Gerrard, J.M.	Immunology	Monoclonal Antibody		
Wright, J.A.	Immunology	Monoclonal Antibody		
Sabbadini, E.R.	Immunology	T Cells - cytotoxic		
Ronald, A.R.	Microbiology	Heamophilius ducrey		
Binns, B.	Microbiology	Salpingitis		
Chernick, V.	Neonatology	Physiology		
Fine, A.	Nephrology	Glomerular Filter		
Gordon, R.	Neurology	Neurulation		(15)
Norton. R.	Neurology	Pain		
Pinsky, C.	Neurology	Pharmacology		
Friesen, H.G.	Oncology	Growth Factor		
Isreals, L.G.	Oncology	Leukemia-Lyphocytic		Team,30
Johnston, R.B.	Oncology	Leukemia-Lyphocytic		(29)
Mowat, M.	Oncology	Leukemia-Lyphocytic		(29)
Paraskevas, F.	Oncology	Leukemia-Lyphocytic		(29)
Carr, I.	Oncology	Lymph Node Response		Team
Gartner, J.G.	Oncology	Lymph Node Response		(6)
Degner, L	Oncology	Nursing		
Pettigrew, N.	Oncology			(5,6)
Rector, E.	Oncology			(5,6)
Howland, B.E.	Oral Biology	Endocrinology		
Bowden, G.H.W.	Oral Biology	Microbiology		
Johnson, R.B.	Oral Biology	Peridontal		
Reid, R.E.	Pharmacology	Calcium Bind. Units		
Froese, A.				(13)
Kephron, W.				(13)
Kisil, F.				(13)
Lange, I.R.				(21)
McClary, B.				(31)
Palahniuk, R.J.				(32)
Schwenk, R.				(13)
West, M.				(31)

NOTES

(1) with W.O. Agbayewa
(2) with F.Y. Aoki
(3) J.M. Bowman, A. Bishop, and N.L. Kobrinsky
(4) Manitoba Institute of Cell Biology
(5) I. Carr, N. Pettigrew and E. Rector
(6) I. Carr, J.G. Gartner, N. Pettigrew and E. Rector
(7) with P.G. Duncan
(8) S.J.Baker, G. Delespesse, and E.Jacob
(9) with R.J.Hudson
(10) with A. Greenberg
(11) with W.Eaton
(12) with K.Scherer
(13) A. Sehon, G. Delespesse, A. Froese, W. Kephron, F. Kisil, and R. Schwenk
(14) A.E. Chudley, J.A. Evans, and M. Ray
(15) with J.B.Armstong and C.L.Lavelle
(16) with G.W. Hammond
(17) with R.M. Jell
(18) with A.I. Cameron
(19) S. Shalev, P. Hahn, and K. Malaker
(20) with H. Schipper
(21) F. Manning, C.R. Harman and I.R. Lange
(22) N.P. Roos, B. Havens, and J.M. Mossey
(23) with N.Chappell
(24) with M.O. Agbayema and V. May
(25) see also M. Levitt
(26) with I.D. Greenberg
(27) with M. Strang
(28) with T.Aubry
(29) L.G. Isreals, A. Begleiter, R.B. Johnston, M. Mowat, and F. Paraskevas
(30) J.B. Johnston, A. Begleiter, and L.G. Isreals
(31) T.Y. Lee, R.B. Dunscombe, R.J. Hudson, M. Kroeker, B. McClary, and M. West
(32) B.Y. Ong, D. Bose, and R.J. Palahniuk
(33) H. Schipper, R.E. Brown, and S. Shalev